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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,055	12/18/2001	Shu-Woei Chiou	A34893	1991
23373	7590 10/05/2004		EXAMINER	
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			CRANE, SARA W	
			ART UNIT	PAPER NUMBER
			2811	
			DATE MAILED: 10/05/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/022,055	CHIOU ET AL.				
		Examiner	Art Unit				
		Sara W. Crane	2811				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)[Responsive to communication(s) filed on						
2a) <u></u> ☐	This action is FINAL . 2b)	This action is non-finate	al.				
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) ☐ Claim(s) 1,3-8 and 17-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,3-8 and 17-19 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment	(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.							
3) Inform	e of Draftsperson's Patent Drawing Review (PTO-s nation Disclosure Statement(s) (PTO-1449 or PTO No(s)/Mail Date	,	Notice of Informal Patent Application (F	PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 3-8, and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jewell in view of Komoto et al. and Sasagawa et al.

See reasons of record in the Office action of 16 March 2004. With respect to the newly-added limitation of "single" Bragg reflector, Sasagawa et al. is cited to show the use of a single Bragg reflector under an LED, to enhance light output of the LED. See figure 5. It would have been obvious to incorporate a "single" Bragg reflector as taught by Sasagawa et al. in the Jewell device, in order to form an LED instead of a laser. See Jewell column 6, line 23, which states that both types of devices are desired. The Bragg reflector is described by Jewell at column 6, lines 28-45. Since the oxidation occurs after growth of the active region (column 6, lines 35-36), the oxidation must have occurred laterally. With respect to the limitation of partial oxidation, column 6, lines 49-53, of Jewell states that "at least extensive parts of the oxidizable layers are oxidized during fabrication." This language suggests that oxidation may be incomplete to some extent, so that both partial and complete oxidation are contemplated by the reference.

Applicant's remarks have been considered, but as noted above both a single Bragg reflector and partial oxidation are taught by the references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Crane, whose telephone number is (571) 272-1652.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (571) 272-1562.

Primary Examiner

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